

Sacramento Groundwater Authority Managing Groundwater Resources in Northern Sacramento County CONTROL POWED 5620 Birdcage Street, Sur Citrus Heights, CA 95610

2013 JUN - 1 PM 12: Fot (916) 967-7692 www.sgah2o.org

May 28, 2009

DM GEWAILE BORIS SVORMENIO

California-American Water Company Ms. Victoria Whitney, Chief Division of Water Rights

Carmichael

State Water Resources Control Board

Water District P.O. Box 2000

Citrus Heights Water District Sacramento, CA 95812-2000

City of Citrus Heights

City of Folsom

Re:

Comment on Petitions for Temporary Change Under Permit Nos. 13856 and 18087

(Placer County Water Agency)

City of Sacramento

County of Sacramento

Del Paso Manor

Fair Oaks Water District

Water District

Natomas Central Mutual Water Company

Orange Vale Water Company

Rio Linda / Elverta Community Water District

Sacramento Suburban Water District

San Juan Water District

Southern California Water Company

Agricultural and Self-Supplied Representative The Sacramento Groundwater Authority ("SGA") is writing to comment on Sacramento Suburban Water District's ("SSWD") petitions for the temporary transfer of portions of its surface water contractual entitlements to the Drought Water Bank being operated by the California Department of Water Resources. SSWD has filed its transfer proposals as copetitioner with Petitioner Placer County Water Agency under Permit No. 13856 (Application No. 18085) and Permit No. 13858 (Application No. 18087). To assist the State Water Board in its review of SSWD's proposed water transfers, this letter discusses the potential effects of the proposed transfer on the North Area Groundwater Basin ("North Area Basin") managed by SGA. Because SSWD's pumping of additional groundwater to effectuate the proposed water transfer would not exceed the sustainable safe yield of the basin and because of SSWD's long-term conjunctive use efforts, SSWD's proposed water transfer is not expected to impact other pumpers in the North Area Basin. Moreover, the proposed transfer is consistent with the conjunctive management principles in SGA's Groundwater Management Plan ("GMP").

Sacramento Groundwater Authority

SGA is a joint powers authority created by Sacramento County and the cities of Citrus Heights, Folsom, and Sacramento to manage the North Area Basin, which includes all of Sacramento County north of the American River. SGA's membership is composed of 14 local water purveyors, including SSWD, and one representative each from agricultural and self-supplied groundwater pumpers. SGA's primary mission is to study and monitor the North Area Basin and to coordinate its members' groundwater use to ensure the long-term health and sustainability of the North Area Basin, including ensuring that the extraction of groundwater from the basin does not exceed the long-term sustainable safe yield of the basin. Additional information about SGA's mission and its membership is available at SGA's website, http://www.sgah2o.org/sga/.

¹ See Attachment 1, Boundary of the SGA North Area Basin.

North Area Basin Groundwater Management Plan

SGA coordinates basin management efforts consistent with its revised GMP, which was adopted on December 11, 2008. The GMP originally was adopted in 2003. SGA members implement their groundwater production programs consistent with the Basin Management Objectives of the GMP, which include:

- Maintaining and improving groundwater quality and elevations;
- Protecting against potential land surface subsidence;
- Protecting against adverse impacts to surface water flows and quality as a result of groundwater pumping;
- Educating members, stakeholders and the public on the need to recharge the aquifer to ensure basin sustainability; and
- Maintaining a sustainable groundwater basin through coordination and collaboration with adjacent groundwater basin management efforts.

SSWD's Conjunctive Use Program is Consistent with the GMP

SSWD's groundwater pumping and conjunctive use activities are consistent with the GMP's basin management objectives. One of the primary objectives is to implement conjunctive water management programs through the expanded use of surface water to provide for in-lieu recharge of the North Area Basin. SSWD has been a leader in conjunctive management efforts, annually conveying surface water into its service territory since 1998. SSWD's conjunctive use efforts have measurably improved groundwater levels in the central portion of the North Area Basin. SSWD's conjunctive use program demonstrates the efficacy of in-lieu recharge efforts both in the North Area Basin and generally.

SSWD's Conjunctive Use Program Has Improved North Area Basin Conditions

In the central portion of the North Area Basin, groundwater elevations declined at a rate of nearly 1.5 feet per year between the 1950s and the mid-1990s.² During this period, the drawdown was as great as 70 feet in certain areas. Since the mid-1990s, groundwater elevations have stabilized due to expanded conjunctive use operations and, in some areas, groundwater elevations are increasing. (See Hydrographs 220, 229 and 270.)

In 2007, a historically dry year with limited surface water availability, SSWD pumped approximately 38,000 AF of groundwater and served a total demand of approximately 45,000 AF. In spite of SSWD's increased pumping of groundwater, average groundwater levels in April 2008 returned to April 2007 levels in its South Service Area and rebounded to a higher level than April 2007 in the North Service Area according SSWD's seasonal production well groundwater level monitoring.³ Also, October 2008 groundwater levels showed a return to historic Fall

² See Attachment 2 – Representative Groundwater Hydrographs in the SGA Area.

³ See Attachment 3 – SSWD Biennial Groundwater Elevations Report.

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levels, which is indicative of the benefit of bringing significant surface water supplies back into SSWD's water system during 2008. Thus, the data indicates that even during dry years, when there is heavy reliance on groundwater resources, the North Area Basin rebounds on a seasonal and long-term basis through natural and in-lieu recharge from SSWD's conjunctive water management program.

SSWD's 2009 Transfer Proposals Are Within the Basin's Sustainable Safe Yield

Between 2003 and 2007, the total municipal and industrial groundwater production in the North Area Basin was approximately 80,000 to 90,000 AFA. SGA estimates the annual demand of individual agricultural and self-supplied groundwater users as approximately 20,000 AFA. This estimate includes 10,000 AFA produced by individual agricultural pumpers outside of the Natomas Central Mutual Water Company's service area and 10,000 AFA pumped by other self-supplied users. Thus, SGA estimates that total groundwater production in the North Area Basin during this period was approximately 100,000 to 110,000 AFA.

SSWD's Drought Water Bank transfer proposal assumes that SSWD's 2009 groundwater demand conditions will be similar to 2007, when SSWD was unable to import surface water into its North Service Area after April. As a result, SSWD relied exclusively on groundwater resources to serve the North Service Area through the remainder of 2007. Because the high groundwater demand in 2007 was driven primarily by dry springtime conditions and 2009 appears to be slightly less dry, SSWD is estimating that its total 2009 water demand will be approximately 41,000 AF, with 37,850 AF of that demand served by groundwater. Thus, SSWD's projected groundwater demand will be similar to 2007's. Because conditions in 2009 are similar to those in 2007, SGA concurs with SSWD's projections that its increased pumping of groundwater in 2009 will not cause total pumping in the basin to exceed the long-term sustainable safe yield of the North Area Basin and that groundwater elevations in the central portion of the basin will recover to pre-transfer levels based on the rebound experienced between October 2007 and April 2008.

Conclusion

SSWD's proposed water transfer is consistent with SGA's long-term groundwater management objectives, which require members to use surface and groundwater conjunctively to enhance water supply reliability and to improve the health and long-term sustainability of the North Area Basin. SSWD's proposal is not expected to harm other groundwater pumpers or the North Area basin because any additional pumping for the transfer will not cause overall pumping in the North Area Basin to exceed its sustainable safe yield. The expected lack of impacts is due in part to the significant investment SSWD has made to conjunctively managing its water resources and its participation in and support of SGA's efforts to effectively manage the North Area Basin.

⁴ See Attachment 4 - SGA Total Municipal and Industrial Water Deliveries in the SGA Area.

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SGA believes that the State Water Board should encourage creative water management solutions such as SSWD's conjunctive use program by approving the proposed transfers. The State Water Board's approval of SSWD's temporary transfer petitions will make surface water available during a time of critical water shortage in other regions of the state, which furthers the objectives stated in the Governor's February 27, 2009 drought emergency proclamation. Its approval also will encourage and reward SSWD's and other agencies' efforts to efficiently and cost-effectively manage groundwater resources not only in the North Area Basin, but throughout California.

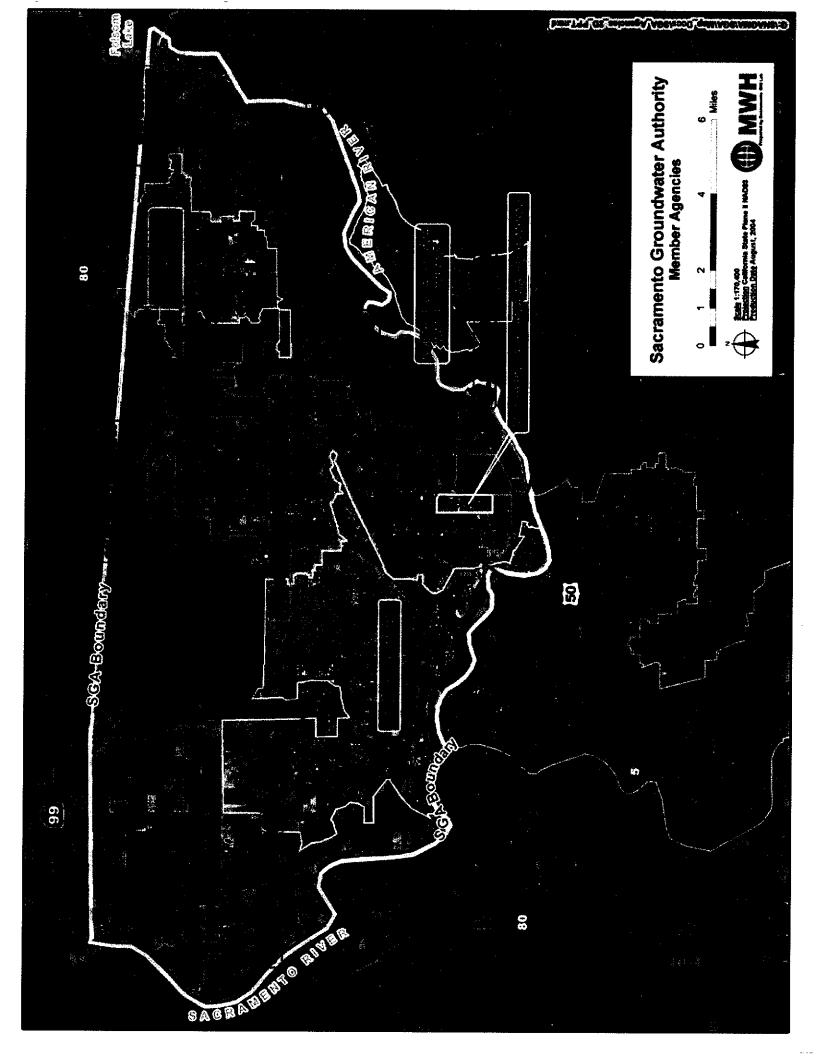
Sincerely,

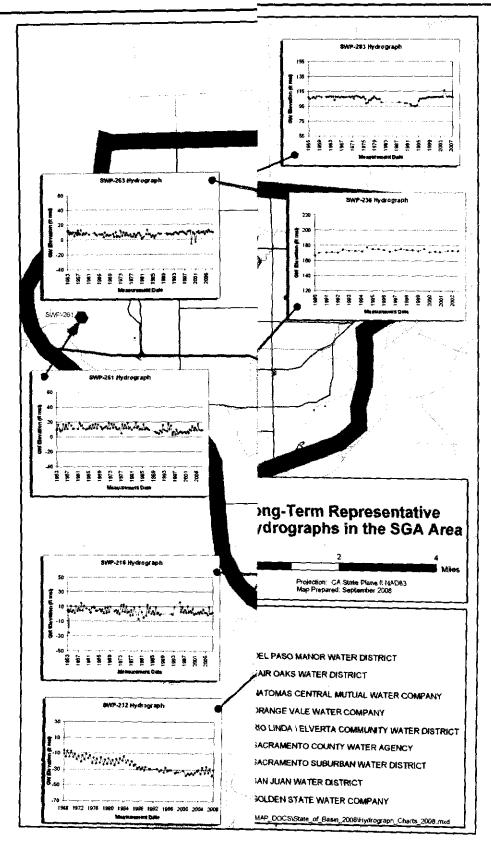
John K. Woodling

Executive Director

cc: Rob Roscoe

Sacramento Suburban Water District







Agenda Item: 8

Date:

November 6, 2008

Subject:

Biennial Groundwater Elevations Report

Staff Contact:

Dan York, Manager Field Operations

The following information provides a summary of the standing water levels collected at designated well sites throughout the District. The standing water levels are collected in the spring and fall of each year. By collecting the standing water levels in spring, the data shows the groundwater is usually replenished through the winter months. By collecting the standing water levels in the fall, the data shows the groundwater is depleted through the summer months.

Groundwater levels are monitored as a water management tool designed to help local purveyors implement best management practices on a regional basis. This tool also assists staff in monitoring the location of the well pump with respect to the standing/pumping water levels to avoid loss of pump suction.



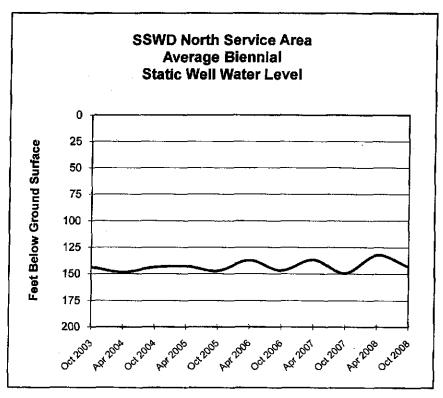
Standing Water Levels, April / October, In feet Below Ground Level

Sacramento Suburban Water District ~ North Service Area

Jacian	iento sur			DISTILL			ICA VI			,		
Well Name	Well#	Oct 2003	Apr 2004	Oct 2004	Apr 2005	Oct 2005	Apr 2006	Oct 2006	Apr 2007	Oct 2007	Apr 2008	Oct 2008
Melrose / Channing	27	135	136	134	129	126	117	131	123	137	129	138
Watt / Elkhorn	31A	127	119	128	100	118	101	128	104	127	107	115
La Cieniga / Melrose	34	124	124	124	121	116	107	120	116	124	116	127
Thomas / Elkhorn	39	133	134	136	94	87	118	N/A	N/A	N/A	N/A	N/A
Gilman / SMUD Station	44	141	140	138	131	134	125	138	132	142	130'	140
Weddigen / Gothberg	52	140	143	142	137	143	122	140	131	143	52	140
Fairbain / Karl	56A	144	146	141	132	138	128	134	127	147	132	141
Thirty Second / Etkhorn	58	N/A	N/A	N/A								
Bainbridge / Holmes	59A	155	151	155	143	152	143	148	134	158	150	N/A
Galbrath / Antelope Woods	64	N/A	N/A	N/A								
McClellan Park	MC10	113	114	117	110	115	109	113	103	116	110	115
Capehart	MC-C1	139	137	134	111	116	110	130	118	140	125	129
Capehart	MC-C2	117	115	116	131	134	118	132	105	113	108	114
Capehart	MC-C3	N/A	122	118	106	110	104	104	108	110	112	112
Evergreen	N1	107	104	108	101	106	98	105	96	103	98	96
Engle	N3	109	139	138	103	134	126	107	98	136	139	132
Hillsdale	N5	177	181	167	163	188	180	182	173	168	190	168
Palm	N6	N/A	N/A	124	144	122	112	117	112	124	116	122
Rosebud	N7	122	118	123	113	119	111	140	133	123	119	121
Field	N8	N/A	N/A	134	122	130	120	118	120	132	125	133
Cameron	N9	N/A	N/A	N/A	120	127	118	116	117	126	122	126
Walnut	N10	150	N/A	N/A	155	149	151	146	139	155	144	149
St.John	N12	143	172	144	N/A	N/A	N/A	N/A	N/A	N/A	136	139
Orange Grove	N14	113	111	114	108	113	106	112	105	112	108	112
Cabana	N15	.153	150	N/A	137	144	136	139	133	150	140	147
Oakdale	N17	129	125	129	122	127	120	126	118	125	121	126
Cypress	N20	153	152	154	145	152	143	148	142	150	148	146
River College	N22	134	132	134	125	132	122	129	122	133	127	131
Freeway	N23	139	133	137	128	135	125	131	124	135	128	133
Don Julio	N24	174	164	198	161	163	151	162	154	173	160	180
Sutter	N25	164	161	164	168	163	160	198	156	172	155	165
Monument	N26	N/A	336	N/A	330	444	342	395	340	350	190	199
Jamestown	N27	142	137	142	134	140	133	141	137	144	140	140
Merrihill	N29	144	139	142	133	139	132	136	132	143	135	136
Parkoaks	N30	142	137	138	133	136	133	152	116	137	126	136
Barrett Meadows	N31	159	155	157	145	155	147	150	153	165	150	152
Poker	N32A	176	174	177	169	176	170	175	170	184	170	177
Poker	N32B	177	174	180	172	176	171	175	170	184	172	178
Poker	N32C	178	174	179	169	175	170	175	170	184	173	218
Walerga	N33	N/A	162	172	163	170	159	165	158	175	164	172
Cottage	N34	162	160	163	156	162	153	158	142	164	158	164
North Antelope	N35	173	173	175	167	171	162	166	162	174	167	171
Average Standing Water	Level	144	148	144	143	147	137	147	137	149	132	143

Sacramento Suburban Water District ~ South Service Area

Sacian	iento Sub	urban	TTALE	DISTIL	1 ~ 30L	ıtn Ser	VICE A	69			4	
Well Name	Well#	Oct 2003	Apr 2004	Oct 2004	Apr 2005	Oct 2005	Apr 2006	Oct 2006	Apr 2007	Oct 2007	Apr 2008	2006
El Prado / Park Estates	2A	92	89	92	84	91	77	81	N/A	82	89	86
Kubel / Armstrong	3A	106	100	107	102	107	90	94	94	74	101	104
Bell / Marconi	4B.	75	81	69	95	110	98	88	133	139	94	84
Beil / El Camino	5	99	95	98	98	97	82	86	87	N/A	96	93
Rubicon / Seely	7	N/A	N/A									
Ravenwood / Eastern	9	N/A	N/A									
Hernando / Santa Anita	12	80	79	. 84	83	85	70	74	77	72	83	83
Calderwood / Marconi	13	112	108	112	106	110	93	100	98	108	111	108
Marconi South / Fulton	14	129	129	134	102	109	90	96	98	106	124	111
Riding Club / Ladino	18	100	101	104	99	102	N/A	103	103	102	97	100
Balmoral / Yorktown	19	N/A										
Watt / Arden	20A	106	92	110	105	114	102	106	108	112		N/A 104
West / Becerra	22	141	136	137	138	136	133	140	135	138	102	
Marconi North / Fulton	23	132	156	141	132	140	116	124		134	N/A	N/A
Beccerra / Woodcrest	24	121	117	127	115	116			123		135	133
Thor / Mercury	25	131	126				110	119	110	114	117	116
Greenwood / Marconi				134	116	132	109	120	115	129	106	108
· · · · · · · · · · · · · · · · · · ·	26	N/A	N/A	N/A	121	125	N/A	N/A	N/A	N/A	N/A	N/A
Red Robin / Darwin	28	113	109	113	106	111	95	98	98	108	108	106
Rockbridge / Keith	30	75	71	74	70	72	68	61	60	72	N/A	73
Eden / Root	32A	143	145	128	117	126	115	118	133	N/A	123	126
Aubum / Norris	33A	113	105	113	102	110	97	111	96	102	97	105
Ulysses / Mercury	35	135	140	134	135	131	131	141	133	137	133	134
Morse / Cottage Park	37	82	80	83	79	84	68	74	72	82	78	78
Watt / Auburn	38	N/A	129	62	N/							
Auburn Yard	40	N/A	118	122	119	122	100	106	106	116	109.	106
Auburn Yard	40A	142	148	103	106	112	103	115	110	121	100	152
Albatros / Iris	41	103	103	106	106	110	100	100	98	N/A	90	N/A
Beccerra / Marconi	42	118	135	119	115	120	110	118	112	117	126	N/A
Edison / Truax	43	97	100	100	95.	101	83	98	89	97	94	91
Jamestown / Middleberry	45	74	71	74	72	73	57	62	61	72	67	64
Jonas / Slerra Mills	46	76	71	75	72	74	58	62	62	54	70	73
Copenhagen / Arden	47	109	110	126	145	126	117	122	N/A	124	114	123
Columbia / Fair Oaks	50	85	N/A	84	83	84						
Sudbury / Elsdon	51	N/A	N/A	N/A	N/A	N/A	N/A	130	124	52	N/A	N/A
Stewart / Lynndale	55A	102	103	107	113	102	115	N/A	113	100	95	106
Whitney / Concetta	60	119	122	118	127	130	N/A	126	N/A	125	123	121
Merrily / Annadale	65	141	136	132	57	133	121	130	127	N/A	N/A	N/A
Eastern / Woodside Church	66	130	132	128	131	129	127	136	129	136	144	135
Northrop / Dorrnajo	68	46	43	80	54	58	45	44	42	73	51	58
Hillsdale / Cooper	69	75	53	57	71	74	58	66	56	105	69	72
Sierra / Blacmer	70	52	50	52	52	56	52	40	44	71	49	47
Rodney T.Franz	71	82	79	88	. 73	76	62	103	64	78	74	71
River Walk / North	72	N/A	N/A	76	67	86	64	72	67	75	87	74
River Walk / East	73	122	115	76	66	82	61	71	60	69	70	68
River Walk South	74	82	88	76	70	79	62	103	64	78	68	77
Enterprise / Northrop	75	59	58	60	58	68	51	60	55	55	65	58
Fulton / Fairoaks	76	57	54	54	54	57	51	44	45	52	55	52
arch / Northrop	77	81	57	85	81	83	76	72	75	74	53	79
Average Standing Water		101	100	100	95	101	88	95	92	97	93	
							- 70	90	92	91	20	



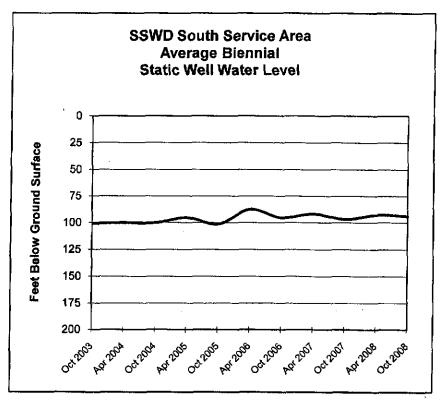


Table 4. SGA Total Municipal and Industrial Water Deliveries in the SGA Area **2003-2007 (Calendar Years)**

California American Water	Water eries
2006	year)
2005 0 17,968 2004 0 19,784 2003 0 19,240 2003 0 19,240 2006 8,971 3,519 2005 9,722 2,347 2004 9,843 3,836 2003 9,358 3,265 2006 18,736 100 2006 18,736 100 2006 18,736 100 2006 18,736 100 2006 18,736 100 2006 18,736 1,347 2006 18,736 1,347 2003 17,938 573 2006 18,994 100 2004 19,753 1,347 2003 17,938 573 2006 0 1,654 2006 0 1,654 2006 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2003 0 1,477 2003 0 1,477 2004 13,629 312 2006 11,178 845 2006 12,282 172 2004 13,629 312 2004 13,629 312 2006 1,695 0 2007 1,820 0 2007 1,820 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 2004 1,415 0 2003 1,107 0 0 Golden State Water Company 2007 0 1,252 2007 1,252 2007 1,252 2008 1,252 2009	18,053
2004 0 19,784 2003 0 19,240	18,997
Carmichael Water District 2007 9,509 2,868 2006 8,971 3,519 2005 9,722 2,347 2004 9,843 3,636 2003 9,358 3,265 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 2006 1,657 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 7 2003 17,938 2006 1,477 2007 2007 2008	17,968
Carmichael Water District 2007 9,509 2,868 2006 8,971 3,519 2005 9,722 2,347 2004 9,843 3,836 2003 9,358 3,265 2007 16,237 98 2006 18,736 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,994 100 2005 18,995 2003 17,938 573 2003 17,938 573 2006 0 1,654 2005 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2003 0 1,477 2005 12,282 172 2004 13,629 312 2005 12,282 172 2004 13,629 312 2005 12,333 240 2005 1,695 0 2006 1,695 0 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 200	19,784
2006 8,971 3,519 2005 9,722 2,347 2004 9,843 3,836 2003 9,358 3,265 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2006 11,178 845 2005 12,282 172 2004 13,629 312 2004 13,629 312 2006 1,695 0 2007 1,820 0 2007 1,820 0 2007 1,820 0 2007 1,820 0 2006 1,695 0 2006 2006 1,695 0 2006	19,240
2005 9,722 2,347 2004 9,843 3,836 2003 9,358 3,265 2007 16,237 98 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2006 11,178 845 2006 11,178 845 2006 12,282 1772 2004 13,629 312 2004 13,629 312 2005 1,695 0 2006 1,695 0 2007 1,820 0 0 2006 1,695 0 2006 200	12,377
2004 9,843 3,836 2003 9,358 3,265 2007 16,237 98 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2003 0 1,477 2005 11,178 845 2005 12,282 172 2004 13,629 312 2004 13,629 312 2003 12,333 240 2005 1,695 0 2006 2006	12,490
Citrus Heights Water District 2007 16,237 98 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 573 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2006 0 1,477 2007 0 1,638 2007 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2006 11,178 845 2006 11,178 845 2005 12,282 172 2004 13,629 312 2004 2007 1,820 0 2007 1,820 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2006 1,695 0 2007 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252 1,	12,069
Citrus Heights Water District 2007 16,237 98 2006 18,736 100 2005 18,994 100 2004 19,753 1,347 2003 17,938 573 Del Paso Manor Water District 2007 0 1,638 2006 0 1,654 2005 2004 0 1,657 2004 0 1,747 Fair Oaks Water District 2007 11,533 899 9 2006 11,178 845 2005 12,282 172 2004 13,629 312 2004 13,629 312 2003 12,333 240 200 0 Folsom, City of 2007 1,820 0 0 2006 1,695 0 0 0 2005 1,561 0 0 2004 1,415 0 0 2007 1,561 0 0 2004 1,415 0 0 2005 1,561 0 0	13,679
2006	12,623
2006	16,335
2005	18,836
Del Paso Manor Water District 2007 0 1,638 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 1,477 2003 0 1,477 2003 0 1,1747 2006 11,178 845 2005 12,282 172 2004 13,629 312 2004 13,629 312 2006 1,695 0 2006 1,695 0 2005 1,561 0 2004 1,415 0 2004 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252 1,25	19,094
Del Paso Manor Water District 2007 0	21,100
Del Paso Manor Water District 2007 0 1,638 2006 0 1,654 2005 0 1,657 2004 0 1,747 2003 0 11,477 Fair Oaks Water District 2007 11,533 899 2006 11,178 845 2005 12,282 172 2004 13,629 312 2003 12,333 240 Folsom, City of 2007 1,820 0 2006 1,695 0 2005 1,561 0 2004 1,415 0 2004 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252	18,511
2006 0	1,638
2005 0	1,654
2004 0	1,657
Pair Oaks Water District 2007 11,533 899 2006 11,178 845 2005 12,282 172 2004 13,629 312 2003 12,333 240 2007 1,820 0 2006 1,695 0 2006 1,695 0 2006 1,561 0 2004 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252 0 1,252 0 0 1,252 0 0 0 0 0 0 0 0 0	1,747
Fair Oaks Water District 2007 11,533 899 2006 11,178 845 2005 12,282 172 2004 13,629 312 2003 12,333 240 Folsom, City of 2007 1,820 0 2006 1,695 0 2005 1,561 0 2004 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252	1,477
2006	12,432
2005 12,282 172	12,023
2004 13,629 312 2003 12,333 240	12,454
2003 12,333 240	13,941
Folsom, City of 2007 1,820 0 2006 1,695 0 2005 1,561 0 2004 1,415 0 2003 1,107 0 Golden State Water Company 2007 0 1,252	12,573
2006 1,695 0	1,820
2005 1,561 0	1,695
2004 1,415 0	1,561
2003 1,107 0 Golden State Water Company 2007 0 1,252	1,415
Golden State Water Company 2007 0 1,252	1,107
	1,252
	1,296
2005 0 1,248	1,248
2004 0 1,372	1,372
2003 0 1,311	1,311
Orange Vale Water Company 2007 4,452 0	4,452
2006 3,642 0	3,642
2005 3,376 0	3,376
2004 4,165 0	4,165
2003 3,816 0	3,816

Table 4. SGA Total Municipal and Industrial Water Deliveries in the SGA Area (Continued) 2003-2007 (Calendar Years)

WATER PURVEYOR	YEAR	Surface Water	Ground Water	Total Water Deliveries
		(AF/year)	(AF/year)	(AF/year)
Rio Linda/Elverta CWD	2007	109	3,305	3,414
	2006	0	3,378	3,378
	2005	0	3,209	3,209
	2004	0	3,407	3,407
	2003	0	3,163	3,163
Sacramento, City of	2007	25,431	18,618	44,049
	2006	22,560	20,917	43,477
	2005	25,213	19,415	44,628
	2004	42,804	20,339	63,143
	2003	31,594	22,621	54,215
Sacramento, County of	2007	0	5,353	5,353
•	2006	0	5,133	. 5,133
	2005	0	5,111	5,111
	2004	0	5,691	5,691
	2003	0	5,034	5,034
Sacramento Suburban WD	2007	7,544	37,932	45,476
	2006	13,345	26,559	39,904
	2005	14,364	26,830	41,194
	2004	15,338	33,261	48,599
	2003	15,214	32,494	47,708
San Juan Water District	2007	4,213	0	4,213
	2006	4,038	0	4,038
	2005	3,839	0	3,839
	2004	4,379	0	4,379
	2003	4,261	0	4,261
Total for SGA Area	2007	81,232	89,632	170,864
	2006	84,165	81,374	165,539
	2005	89,351	78,057	167,408
	2004	111,326	91,096	202,422
	2003	95,621	89,418	185,039

Notes: This data does not include agricultural surface water supplies delivered by Natomas Central Mutual Water Company and groundwater extraction by agricultural and self-supplied users. It also does not include surface water supplies for portions of the San Juan Water District and the City of Folsom that are not within the SGA boundaries.